

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	wax same (block copolymer) same (hydrocarbon oil) same (aromatic ester oil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 15:06
S2	4	wax and (block copolymer) and (hydrocarbon oil) and (aromatic ester oil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 14:23
S3	4	wax and (block copolymer) and (hydrocarbon oil) and (aromatic ester oil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 15:07
S4	3	S3 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 15:07

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	6543	((waxy linear fatty alcohol) or (paraffin wax) or ozekerite or (microcrystalline wax) or (polyethylene wax) or beeswax or ((candelilla or carnauba or spermeceti) wax)) and ((block copolymer) or (styrene butadiene copolymer) or (butadiene styrene copolymer)) and ((hydrogenated polyisobutene) or paraffin or polydecene or isoparaffin or (mineral oil) or (hydrocarbon oil)) and ((aryl alcohol) or (aryl acid) or (aryl benzoate) or (fatty alkyl benzoate) or (alkyl or dialkyl naphthalate) or (fatty alkyl salicylate ester) or (butyloctyl salicylate) or (diethylhexyl naphthalate) or (diesters of naphthalic acid) or (aromatic ester oil))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 16:03
L3	81305	((waxy linear fatty alcohol) or (paraffin wax) or ozekerite or (microcrystalline wax) or (polyethylene wax) or beeswax or ((candelilla or carnauba or spermeceti) wax))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 16:03
L4	143176	((block copolymer) or (styrene butadiene copolymer) or (butadiene styrene copolymer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 16:04
L5	323128	((hydrogenated polyisobutene) or paraffin or polydecene or isoparaffin or (mineral oil) or (hydrocarbon oil))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 16:04
L6	1329877	((aryl alcohol) or (aryl acid) or (aryl benzoate) or (fatty alkyl benzoate) or (alkyl or dialkyl naphthalate) or (fatty alkyl salicylate ester) or (butyloctyl salicylate) or (diethylhexyl naphthalate) or (diesters of naphthalic acid) or (aromatic ester oil))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 16:05

## EAST Search History

L7	2191	I3 same I4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 16:05
L8	43207	I5 same I6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 16:05
L9	408	I7 and I8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 16:05
L10	1	I9 and (semi solid or anhydrous or soft solid) near antiperspirant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 16:07
L11	87	I9 and (semi solid or anhydrous or soft solid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 16:07
L12	1	I10 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 16:07
S1	2	wax same (block copolymer) same (hydrocarbon oil) same (aromatic ester oil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 15:52
S2	4	wax and (block copolymer) and (hydrocarbon oil) and (aromatic ester oil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 14:23

## EAST Search History

S3	4	wax and (block copolymer) and (hydrocarbon oil) and (aromatic ester oil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 15:07
S4	3	S3 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/21 15:07

Biotech and Pharm

Set	Items	Description
S1 AND WAX	0	S HYDROCARBON OIL AND AROMATIC ESTER OIL AND BLOCK COPOLYMER
S2 WAX	0	S HYDROCARBON OIL AND AROMATIC ESTER OIL AND COPOLYMER AND

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2004:5113 CAPLUS  
DN 140:81871  
ED Entered STN: 05 Jan 2004  
TI Soft-solid compositions containing antiperspirant and hydrocarbon oils and aromatic ester oils and organic waxes and block copolymers  
IN Chuah, Beng Sim; Emslie, Bruce Steven; Franklin, Kevin Ronald; Martindale, Daniel Albert John; Turner, Graham Andrew  
PA Unilever Plc, UK; Unilever N.V.  
SO Eur. Pat. Appl., 19 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
IC ICM A61K007-32  
CC 62-4 (Essential Oils and Cosmetics)  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1374843	A2	20040102	EP 2003-253610	20030606
	EP 1374843	A3	20041215		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	US 2005002883	A1	20050106	US 2003-603318	20030625
PRAI	GB 2002-14805	A	20020626		

CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	EP 1374843	ICM	A61K007-32
		IPCI	A61K0007-32 [ICM, 7]
		IPCR	A61K0008-19 [I,C*]; A61K0008-26 [I,A]; A61K0008-28 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-37 [I,A]; A61K0008-72 [I,C*]; A61K0008-90 [I,A]; A61K0008-92 [I,A]; A61K0008-92 [I,C*]; A61Q0015-00 [I,A]; A61Q0015-00 [I,C*]
		ECLA	A61K008/26; A61K008/28; A61K008/31; A61K008/37; A61K008/37C; A61K008/90; A61K008/92C; A61Q015/00
	US 2005002883	IPCI	A61K0007-32 [ICM, 7]
		IPCR	A61K0008-19 [I,C*]; A61K0008-26 [I,A]; A61K0008-28 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-37 [I,A]; A61K0008-72 [I,C*]; A61K0008-90 [I,A]; A61K0008-92 [I,A]; A61K0008-92 [I,C*]; A61Q0015-00 [I,A]; A61Q0015-00 [I,C*]
		NCL	424/065.000
		ECLA	A61K008/26; A61K008/28; A61K008/31; A61K008/37; A61K008/37C; A61K008/90; A61K008/92C; A61Q015/00

AB The present invention relates to topical antiperspirant cosmetic compns. in the form of soft solids, which have in combination an improved resistance to syneresis and retained efficacy. The soft solids therein contain a particulate antiperspirant suspended in a water-immiscible carrier liquid structured by a structurant system are obtainable by employing as carrier liquid a mixture of a hydrocarbon oil and an arom. ester oil in a weight ratio of from 1:2 to 15:1 and as structurant system from 5.5 to 20% in total of a di or triblock alkylene/arylene block copolymer and an organic wax in a weight ratio to each other of from 5:1 to 30:1. For example, an antiperspirant composition contained 25.5% activated aluminum chlorohydrate, 40.2% Transgel 110 (a gel-block copolymer in hydrocarbon oil), 26.8% alkylbenzoate oil, 5.625% Castor wax and 1.875% glycol ester wax.

ST soft solid antiperspirant oil wax block copolymer

IT Isoalkanes

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(C13-14, Isopar M; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Glycerides, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C18-36, Syncrowax HGLC; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Fatty acids, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C18-36, ethoxylated; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Hydrocarbon oils  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Sirius M 70; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Polymers, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(block; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Fatty acids, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(esters; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Alcohols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(fatty, linear, waxy; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Castor oil  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(hydrogenated; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Hydrocarbon waxes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(microcryst., Multiwax 180W; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Polysiloxanes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polyoxyalkylene-; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Polyoxyalkylenes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polysiloxane-; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Syneresis  
(resistance to; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Antiperspirants  
Viscosity  
(soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT Hydrocarbon waxes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT 61711-80-6, Zirconium chlorohydrate  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(activated; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT 7631-86-9, Aerosil 200, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(colloidal; soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

IT 56-81-5, Glycerol, biological studies 56-81-5D, Glycerol, esters  
107-21-1D, Ethylene glycol, esters 541-02-6, DC 245 1327-41-9,  
Aloxicoll LR 3687-46-5, Cetiol V 5333-42-6, Eutanol G 18641-57-1,  
Syncrowax HRC 42557-10-8, DC 200 60908-77-2, Permethyl 101A  
74565-11-0, Finsolv TN 83271-10-7, Rheopearl KL 125913-22-6, Aluminum  
zirconium pentachlorohydrex glycine 127474-91-3, HallBrite TQ  
134910-86-4, Reach 908 190085-41-7, HallBrite BHB 344781-69-7, DC9040  
640285-82-1, Transgel 110 640286-21-1, Polysynlane Gel 640286-22-2,  
Versagel M 750 640286-24-4, Versagel ME 750 640286-31-3, Versagel MD  
750  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(soft-solid compns. containing antiperspirants and hydrocarbon oils and arom. ester oils and organic waxes and block copolymers)

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(FILE 'HOME' ENTERED AT 14:49:51 ON 21 FEB 2007)

FILE 'CAPLUS' ENTERED AT 14:50:04 ON 21 FEB 2007

L1 1 S HYDROCARBON OIL AND AROMATIC ESTER OIL AND BLOCK COPOLYMER AN